

SAH
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12-14-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE1741
TRAN

In re application of

INMAN, Michael

Serial No. 09/890,187

Filed: July 27, 2001

For: PLASMA-ASSISTED PROCESSING OF GASEOUS MEDIA~~PRELIMINARY~~ PRELIMINARY AMENDMENTAssistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend as follows:

In the Claims:

Cancel all claims presently on file, and substitute the following new Claims 28-47:

A1

28. A reactor for the plasma assisted processing of a gaseous medium including a pair of electrodes having facing surfaces, the separation of the facing surfaces being substantially uniform and defining a space therebetween, a body of dielectric material positioned to provide a dielectric barrier between the electrodes and configured to divide the said space between the electrodes into a plurality of gas passages, which together provide the plasma volume of the reactor and along the lengths of which gas flows in use of the reactor, the gas passages being aligned so that their lengths extend between and in a direction parallel with the facing surfaces of the electrodes, the gas passages being spaced apart from one another in a direction transverse to the said facing surfaces, wherein the gas passages are shaped to have a pair of opposed sides the contour of which matches the contour of the said facing sur-